Title: SYSTEM AND METHOD FOR EXTRACTING USER .

SELECTED DATA FROM A DATABASE Inventor(s): Michael FRANCIS Serial No.: Unknown Docket No.: 3700.P0414US

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User Interface

Internal Representation

	Dimension Hierarchy	i	•				
			cid	cBas	eld	dFrom	dTo
	Fault Location	i	L.%				
-	North	;	L.N.%				
+	RegionN1		L N 1 %				
	RegionN2	i	L.N.2.%				
	Location-a		LN2a%	N2-a			
	Location-b	i	L.N.2.b.%	N2-b			
	Location-c	i	L.N.2.c.%	N2-c			
	Location-d	1	L.N.2.d.%	N2-d			
	Location-e	1	L.N.2.E.%	N2-e			
	many more	1	L.N.2%				
+	RegionN3	1:	L.N.3.%				
-	South ·		L.S.%				
+	RegionS1	1	L.S.1.%				
+	RegionS2		L.S.2.%				· .
-	Fault Type		T.%				
	Mechanical		T.M.%				
	Cabling	1	T.M.C.%	MC			
	Mountings		T.M.M.%	MM			
	Electrical	1	T.E.%				
	Power supply	li	T.E.P.%	EP			
	Circuit card	li	T.E.C.%	EC			
-	Engineer	j	E.%				
+	Team1	l i	E.1.%			·	
+	Team2	i	E.2.%				
-	Team3	l	E.3.%				
	A.Smith		E 3.1.%	Eng		2002-01-0	И
	A.R.Read		E 3.2 %	Eng	2		2001-08-04
	Measure Definitions						
	Faults Reported	i 1 1	Measure V	alue	Datu dRep		Data Table FaultData
	Av. Time to Fix	¦	dFix-dReport		dFix		FaultData
	Pipeline outstanding faults		nPipeline		dPipeline		PipelineData

FIG. 1

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FaultData

Column Name	Data Type	Indexed	Notes
cFaultd	varchar (255)	Υ	Primary Key
dReport	Datetime	N	Date on which fault reported
dFix	Datetime	N	Date on which fault fixed (NULL if not fixed)
cLocid	varchar (255)	Y	Location of fault
cEngld	varchar (255)	Υ	Engineer assigned to fault
cTypeld	varchar (255)	Υ	Type of fault

PipelineData

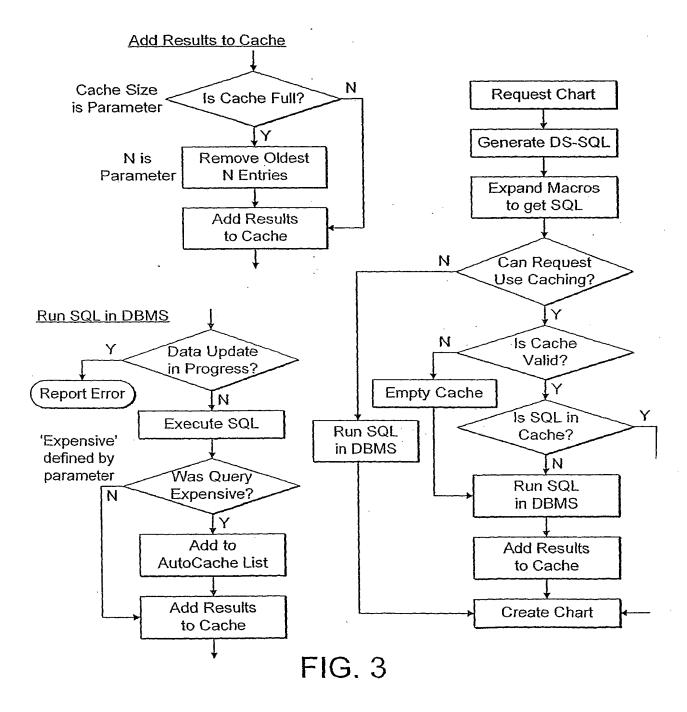
Column Name	Data Type	Indexed	Notes
dPipeline	Datetime	Υ	Snapshot date
nPipeline	number	N	Num of faults in pipeline for this loc and type
cLocationId	varchar (255)	N	Location of fault
cTypeld	varchar (255)	Υ	Type of fault

FIG. 2

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